

Express Mail No. EV423739970US
Application No. 10/732,747
Reply to Office action of July 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of using a wireless remote control having an up button and a down button to remotely activate a motor to control the configuration of an adjustable covering for an architectural opening starting from a fully retracted configuration of said adjustable covering, said method comprising the steps of (a) monitoring a signal from said remote control for pressing of said down button; (b) upon recognizing a single press and release of said down button, activating said motor to begin extending said adjustable covering; ~~[[and]]~~ (c) continuing to extend said adjustable covering until it is fully extended; (d) during extension of said adjustable covering, monitoring a signal from said remote control for activation of one of said up button and said down button; (e) deactivating said motor after detecting a single press and release of one of said up button and said down button; and (f) upon recognizing a single press and release of said down button, activating said motor to continue extending said adjustable covering until it is fully extended.

Claim 2 (currently amended): The method of claim 1, wherein said adjustable covering comprises a first flexible sheet, a second flexible sheet, and a plurality of adjustable vanes attached between said first and second flexible sheets to regulate the transmissivity of said adjustable covering, and wherein said adjustable covering is mounted on a roll bar drivingly engaged with said motor, said method further comprising the steps of ~~[[d]]~~ (g) deactivating said motor after said adjustable covering reaches full extension and while said adjustable vanes are in a minimum transmissivity configuration; ~~[[e]]~~ (h) monitoring a signal from said remote control for activation of said down button; ~~[[f]]~~ (i) upon recognizing a single press and release of said down button, activating said motor to begin rotating said roll bar to increase said transmissivity; and ~~[[g]]~~ (j) continuing to rotate said roll bar until a maximum transmissivity configuration is reached.

Claim 3 (currently amended): The method of claim 1, wherein said adjustable covering comprises a first flexible sheet, a second flexible sheet, and a plurality of adjustable vanes attached between said first and second flexible sheets to regulate the transmissivity of said adjustable covering, and wherein said adjustable covering is mounted on a roll bar drivingly engaged with said motor, said method further comprising the steps of ~~[[d]]~~ (g) deactivating said motor after said adjustable covering reaches full extension and while said adjustable vanes are in a minimum transmissivity configuration; ~~[[e]]~~ (h) monitoring a signal from said remote control for activation of said down button; ~~[[f]]~~ (i) upon recognizing a single press and release of said down button, activating said motor to begin rotating said roll bar to increase said transmissivity; ~~[[g]]~~ (j) monitoring a signal from said remote control for activation of one of said up button and said down button; and ~~[[h]]~~ (k) upon recognizing a single press and release of one of said up button and said down button, commanding said motor to stop rotating said roll bar.

Claim 4 (currently amended): A method of using a wireless remote control having an up button and a down button to remotely activate a motor to control the configuration of an adjustable covering for an architectural opening starting from a fully extended configuration of said adjustable covering, said method comprising the steps of (a) monitoring a signal from said remote control for activation of said up button; (b) upon recognizing a single press and release of said up button, activating said motor to begin retracting said adjustable covering; ~~[[and]]~~ (c) continuing to retract said adjustable covering until it is fully retracted; (d) during retraction of said adjustable covering, monitoring a signal from said remote control for activation of one of said up button and said down button; (e) deactivating said motor after detecting a single press and release of one of said up button and said down button; and (f) upon recognizing a single press and release of said up button, activating said motor to continue retracting said adjustable covering until it is fully retracted.

Claim 5 (currently amended): A method of using a wireless remote control having an up button and a down button to remotely activate a motor to control the configuration of an adjustable covering for an architectural opening, wherein said adjustable covering comprises a first flexible

sheet, a second flexible sheet, and a plurality of adjustable vanes attached between said first and second flexible sheets to regulate the transmissivity of said adjustable covering, and wherein said adjustable covering is mounted on a roll bar drivingly engaged with said motor, said method comprising the steps of (a) starting from a fully extended and a maximum transmissivity configuration of said adjustable covering; (b) monitoring a signal from said remote control for activation of said up button; (c) upon recognizing a single press and release of said up button, activating said motor to begin rotating said roll bar to put said adjustable covering in a minimally transmissive configuration; (d) continuing to rotate said roll bar until said adjustable covering is in its minimally transmissive configuration; (e) while said roll bar is rotating, monitoring a signal from said remote control for activation of one of said up button and said down button; (f) deactivating said motor after detecting a single press and release of one of said up button and said down button; (g) upon recognizing a single press and release of said up button, activating said motor to continue rotating said roll bar until said adjustable covering is in its minimally transmissive configuration; and [(e)] (h) deactivating said motor after said adjustable covering reaches its fully extended and minimally transmissive configuration.

Claim 6 (currently amended): The method of claim 5 further comprising the steps of [(f)] (i) monitoring a signal from said remote control for activation of said up button; [(g)] (j) upon recognizing a single press and release of said up button, activating said motor to begin rotating said roll bar to fully retract said adjustable covering; and [(h)] (k) deactivating said motor after said adjustable covering reaches its fully retracted configuration.

Claim 7 (currently amended): The method of claim 5 further comprising the steps of [(f)] (i) monitoring a signal from said remote control for activation of said up button; [(g)] (j) upon recognizing a single press and release of said up button, activating said motor to begin rotating said roll bar to fully retract said adjustable covering; and [(h)] (k) monitoring a signal from said remote control for activation of one of said up button and said down button; and [(i)] (l) deactivating said motor after detecting a single press and release of one of said up button and said down button.

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Claim 8 (original): A method of using a wireless remote control having an up button and a down button to remotely activate a motor to adjust a configuration of an adjustable covering for an architectural opening, wherein said configuration is variably adjustable between a fully extended configuration and a fully retracted configuration, and, when said adjustable covering is in said fully extended configuration, said configuration is variably adjustable between a maximum transmissivity configuration and a minimum transmissivity configuration, said method comprising the steps of (a) monitoring an amount of extension of said adjustable covering; (b) monitoring an amount of transmissivity of said adjustable covering; (c) monitoring a speed of said adjustable covering; (d) monitoring a signal from said remote control for an indication of a pressing of one of said up button and said down button; and (e) commanding said motor to make a predetermined adjustment to said adjustable covering upon recognizing a single press and release of one of said up button and said down button, wherein said predetermined adjustment is based upon said monitored amount of extension, said monitored amount of transmissivity, said monitored speed, and said monitored signal.

Claim 9 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is maximum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said up button, said commanding step comprises commanding said motor to reduce said amount of transmissivity of said covering

Claim 10 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said up button, said commanding step comprises commanding said motor to reduce said amount of extension of said covering.

Claim 11 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote

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control is recognized as pressing of said down button, said commanding step comprises commanding said motor to increase said amount of transmissivity of said covering.

Claim 12 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is between minimum transmissivity and maximum transmissivity, said monitored speed of said adjustable covering is nonzero, and said monitored signal from said remote control is recognized as pressing of one of said up button and said down button, said commanding step comprises commanding said motor to stop.

Claim 13 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is between minimum transmissivity and maximum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said up button, said commanding step comprises commanding said motor to reduce said amount of transmissivity of said covering.

Claim 14 (original): The method of claim 8, wherein when said monitored amount of extension is fully extended, said monitored amount of transmissivity is between minimum transmissivity and maximum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said down button, said commanding step comprises commanding said motor to increase said amount of transmissivity of said covering.

Claim 15 (original): The method of claim 8, wherein when said monitored amount of extension is fully retracted, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said down button, said commanding step comprises commanding said motor to increase said amount of extension of said covering.

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Claim 16 (original): The method of claim 8, wherein when said monitored amount of extension is between fully retracted and fully extended, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is nonzero, and said monitored signal from said remote control is recognized as pressing of one of said up button and said down button, said commanding step comprises commanding said motor to stop.

Claim 17 (original): The method of claim 8, wherein when said monitored amount of extension is between fully retracted and fully extended, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said up button, said commanding step comprises commanding said motor to reduce said amount of extension of said covering.

Claim 18 (original): The method of claim 8, wherein when said monitored amount of extension is between fully retracted and fully extended, said monitored amount of transmissivity is minimum transmissivity, said monitored speed of said adjustable covering is zero, and said monitored signal from said remote control is recognized as pressing of said down button, said commanding step comprises commanding said motor to increase said amount of extension of said covering.

Claim 19 (original): A method of using a manual operating switch to activate a motor to adjust a configuration of an adjustable covering for an architectural opening, wherein said configuration is variably adjustable between a fully extended configuration and a fully retracted configuration, and, when said adjustable covering is in said fully extended configuration, said configuration is variably adjustable between a maximum transmissivity configuration and a minimum transmissivity configuration, and wherein each press of said manual operating switch is alternately treated as an up request followed by a down request, said method comprising the steps of (a) monitoring an amount of extension of said adjustable covering; (b) monitoring an amount of transmissivity of said adjustable covering; (c) monitoring a speed of said adjustable covering; (d) monitoring a signal from said manual operating switch for an indication of one of

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said up request and said down request; and (e) commanding said motor to make a predetermined adjustment to said adjustable covering upon recognizing a single press and release of said manual operating switch, wherein said predetermined adjustment is based upon said monitored amount of extension, said monitored amount of transmissivity, said monitored speed, and said monitored signal.

Claim 20 (original): The method of any one of claims 8-19, wherein when said predetermined adjustment consists of adjusting said amount of extension of said covering, said motor operates at a first speed.

Claim 21 (original): The method of any one of claims 8-19, wherein when said adjustable covering is fully extended and said predetermined adjustment consists of adjusting said amount of transmissivity of said covering, said motor operates in a second speed that is slower than said first speed.

Claim 22 (original): The method of any one of claims 8-19, further comprising the steps of monitoring said motor for a stalled condition, and when a stalled condition occurs, commanding said motor to stop; and determining a configuration of said adjustable covering based upon said monitored amount of extension of said adjustable covering.